MD.SURAT-E-MOSTAFA

Research Assistant,

Physiological Signal Analysis Team,
Center for Machine vision and Signal Analysis
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Career Objective:

My short-term career objective is to conduct original research. My long-term objective is to establish myself as a successful researcher through hard work, devotion and best utilization of my talent which will give me an opportunity to contribute to the advanced technology.

Career Summary:

Research Assistant: (01 September, 2017 to 31 January, 2019)
Physiological Signal Analysis Team, Center for Machine vision and Signal Analysis,
University of Oulu, Finland.
-The project's goal is to develop a clinical tool using Matlab which assist in
Treatment decisions.

Summer Trainee: (01 June, 2017 to 31 August, 2017)
Physiological Signal Analysis Team, Center for Machine vision and Signal Analysis,
University of Oulu, Finland.
-The objective of this project is to develop new technology using Matlab tools, which enables online monitoring of pain experience.

Teaching Experience:
Junior Lecturer: (15 February, 2014 to 31 January, 2016)
Islami Bank Institute and Technology, Farm gate, Dhaka, Bangladesh

Academic Background:

Masters of Science (M.Sc.) in Biomedical Engineering: Signal & Image Processing
University   : University of Oulu, Finland.
Field of Study   : Signal & Image Processing
CGPA   : **3.60** on a scale of 5.00
Year of Passing   : January 24, 2019

Bachelor of Science (B.Sc.) in Electrical &Electronics Engineering

University   : Ahsanullah University of Science and Technology, Bangladesh.

Field of Study   : Electrical & Electronics Engineering.

CGPA   : **3.57** on a scale of 4.00

Year of Passing   : 2013

Master's Thesis

M.Sc. Thesis
- Title of the thesis worked: ESTIMATING SPECTRAL HRV FEATURES WITH MISSING DATA.

Professor Tapio Seppänen

Professor,

Physiological Signal Analysis Team, Center for Machine vision and Signal Analysis,

University of Oulu, Finland.

Undergraduate Thesis:

B. Sc. Thesis
- Title of the thesis worked: ULTRA HIGH BIT RATE QUASI-LINEAR OPTICAL FIBER TRANSMISSION

Supervised by

Dr. Mohammad Faisal

Professor,

Dept. of Electrical & Electronic Engineering,

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh.

Publication and Research:

Journal Paper

- SIGNAL QUALITY OF DISPERSION MANAGED QUASI-LINEAR HIGH BIT RATE OPTICAL TRANSMISSION SYSTEM, (WITH MIR ZAYED SHAMES AND IMTIZ AHMED), INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATION ENGINEERING AND TECHNOLOGY (IJECET), VOL. 4, NO. 12, 2013, PP. 108-114.

- CROSSTALK EFFECT IN A TRANSMISSION LINE FOR DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) SYSTEM.(WITH MD. MUKSUDUL ALAM AND MD. AL FAISAL REZA).INTERNATIONAL JOURNAL OF SCIENTIFIC AND TECHNOLOGY RESEARCH (IJSTR). VOL.2,ISSUE 8, 2013.

Conference Paper

- PERFORMANCE OF SIGNAL IN DISPERSION MANAGED QUASI-LINEAR HIGH BIT RATE OPTICAL TRANSMISSION SYSTEM (WITH IMTIAZ AHMED AND MIR ZAYED SHAMES), 2013 IEEE 11TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS(MICC OPTICAL COMMUNICATION SYSTEM).

Key Skills

- Computer Application: Fully competent with all aspects of Microsoft Office.
- Programming Language: MATLAB, R Programming (RStudio).

References:

Tapio Seppänen	**Antti Isosalo**
Professor, Physiological Signal Analysis team, Center for Machine Vision and Signal Analysis at university of Oulu, Finland. Email: tapio.seppanen@oulu.fi	Research Scientist, Center for Machine Vision and Signal Analysis team at University of Oulu Email: Antti.Isosalo@oulu.fi